

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/001057

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H01L21/31, 21/3065

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ H01L21/31, 21/3065, H01L21/205, C23C16/50

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	JP 10-154706 A (Applied Materials, Inc.), 09 June, 1998 (09.06.98), Par. Nos. [0185] to [0200], [0204] & EP 843348 A2 & US 6114216 A & KR 98042362 A & TW 359004 A	1, 2, 4, 6-8, 10 3, 5, 9, 11 12-17
Y	JP 2003-183839 A (Tadahiro OMI), 03 July, 2003 (03.07.03), Par. Nos. [0011] to [0019], [0034] to [0050] & WO 2003/054949 A1	3, 5, 9, 11
X	JP 10-233387 A (Denso Corp.), 02 September, 1998 (02.09.98), Par. Nos. [0023] to [0027], [0035] to [0037]; Fig. 4 & US 6090718 A	1, 2, 6, 7, 8

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

- * Special categories of cited documents:
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 - X- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 - Y- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 - &- document member of the same patent family

Date of the actual completion of the international search
15 April, 2005 (15.04.05)

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Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	JP 2004-335789 A (Tadahiro OMI), 25 November, 2004 (25.11.04), Par. Nos. [0035] to [0046], [0059] & WO 2004/100246 A1	1-3, 6-9
E, X	JP 2005-85956 A (Mitsubishi Heavy Industries, Ltd.), 31 March, 2005 (31.03.05), Par. Nos. [0046] to [0053], [0067] (Family: none)	1, 6, 7